

Title (en)

POWER GEARING SYSTEM FOR A WIND TURBINE

Title (de)

LEISTUNGSGETRIEBESYSTEM FÜR EINE WINDTURBINE

Title (fr)

SYSTÈME D'ENGRENAGE DE PUISSANCE POUR UNE ÉOLIENNE

Publication

EP 2901042 A1 20150805 (EN)

Application

EP 13789372 A 20130930

Priority

- GB 201217443 A 20120928
- GB 2013052543 W 20130930

Abstract (en)

[origin: WO2014049377A1] A power transmission system 10 of a wind turbine has a main shaft 16 configured to be driven by the rotor 6 and a support structure 60, a gearbox 25 having a gearbox housing 24,30 rigidly coupled to the support structure 60 and a planet carrier 26. A coupling member 50 connects the planet carrier 26 to the main shaft 16. The main shaft 16 is associated with a set of teeth 74 projecting radially outward, the planet carrier 24 is associated with a set of teeth projecting radially inward 76, the coupling member comprises a radially inward projecting set of teeth 78 engaging with the set of teeth 74 associated with the main shaft 16, and the coupling member further comprising a radially outward projecting set of teeth 79 engaging with the set of teeth 76 associated with the planet carrier 16.

IPC 8 full level

F16H 1/48 (2006.01); **F03D 15/00** (2016.01); **F16D 3/18** (2006.01)

CPC (source: CN EP US)

F03D 13/20 (2016.05 - EP US); **F03D 15/00** (2016.05 - EP); **F03D 15/10** (2016.05 - EP US); **F03D 80/70** (2016.05 - EP US); **F16D 3/18** (2013.01 - CN EP); **F16H 1/48** (2013.01 - CN EP); **Y02E 10/72** (2013.01 - EP); **Y02E 10/728** (2013.01 - EP)

Citation (search report)

See references of WO 2014049377A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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